## From The Prez

**"I know a guy…"**

One of our active members affectionately commented about our Vice President, Mark Moro, WJ8WM; "Half of Mark's sentences start out with "I know a guy…" A little humor, a bit of an exaggeration maybe, but his point was Mark knows a lot of people who can help out with just about any problem that comes down the road.

When it comes to ham radio, all CARS members can say that very same thing to themselves or to another ham when a question or problem arises. Our club always has an experienced long time ham, a more recently licensed amateur that may have a solid understanding of one of the newer facets of the hobby, and certainly our Technical Committee whose purpose it is to assist any members with projects, problems or questions. When Mike, KD8OUE, was chairman of the Tech Committee he mentioned in every *WO* article and in every meeting report the Tech Committee was there to help any member who needed it. Sadly, precious few members took advantage of this resource.

Whenever I have a ham radio problem I seek out one of our members for help because being a CARS member you can always say **"I know a guy…"**

## Feedback

This is **your** newsletter. As editor, I really appreciate the submissions I get from members. We could always use more. So if you have something of interest, like a project you have recently done, like Gary, NI8Z, did this month, a contest you participated in, somewhere you visited or an opinion on an amateur related topic send an article or a picture to me at wt8o@att.net. I also encourage and appreciate comments or suggestions on what you would like to see in the *WO* or what we can do to improve it.

*(Continued next page)*

## Cleveland Hamfest

The annual Cleveland Hamfest will be held Sunday, September 23rd at the Cuyahoga County Fairgrounds. CARS will have tables attended by club members to promote the club. We will also have items for sale. Members can bring equipment and have those manning the tables sell their gear. We can also use members to sit at the tables and talk to prospective members. You don't have to be there long, just maybe spell someone while you are visiting the hamfest. We will be talking about the hamfest at the September meeting. Hope to see you there.

73, Toby, WT8O

## CARS Members Celebrate 13th Annual Picnic
## Andy, KD8SCV

A beautiful evening and classic summer fare made the thirteenth annual CARS one to remember at Independence's Kiwanis Shelter. Freshly grilled burgers, hot dogs, and brats were the order of the day, along with the many side dishes and desserts brought by members and their families.

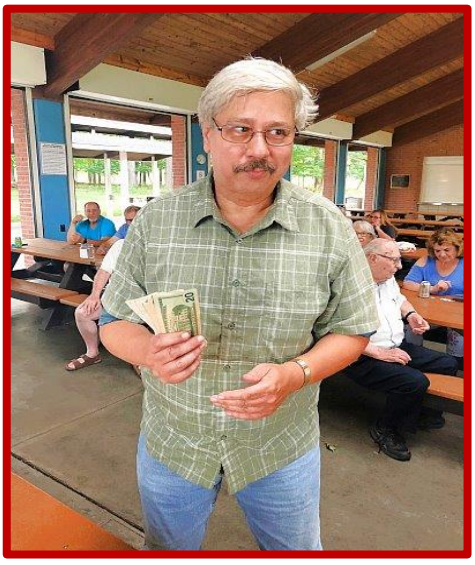
Great prizes were also the order of the day, with a 50/50 raffle and numerous gift cards for the lucky winners.

I want to thank to fellow picnic committee members Mark Moro, WJ8WM, and Arp Viberg, K8ARP, for their assistance in planning.

In addition, special thanks go to Toby Kolman, WT8O, for serving as emcee, Ed Stevens, Sr., WB8ROK, for handling the beverages, Bob Robbins, K8RGI, for handling the two-meter check-ins, cooks Mark Moro, WJ8WM, Metro Sinko, W8MET, and Larry Shimerka, N8OWS, for photography.

Andy Evridge, KD8SCV
Picnic Committee Chairman

*Left. Andy, KD8SCV, happily gives gift cards to the lucky winners*.



*Right. Bob, KC8MRC, was the lucky winner of the big 50/50 drawing.*

## Peep from the Veep
## Mark, WJ8WM

Labor Day is upon us. Like many of you, I have trepidation with this holiday. While there are always many fun events over the weekend, it also symbolizes the end of summer. I know there will still be nice weather for another month or more and outdoor activities don't have to end but, the white stuff is close!

One of the events I do look forward to during this weekend is the Cleveland National Air Show. I don't physically attend as often I as used to. I'm not as tolerant with crowds, parking hassles, and the security checks as I used to be. Now, I like to scan the activities. All the acts use radio and because of my QTH, I can hear most of the show.

All scanners can get show control frequencies. Most scanners can receive the military frequencies. See the list below. You too can experience the Air Show from your arm chair with air conditioning.

| | |
|---|---|
| 122.9000 | Discrete PA channel usually a Unicom frequency |
| 126.0000 | Air Boss alternate/secondary |
| 126.4000 | Air Boss 1 (Old Freq, still used by some aircraft transitioning airspace during show) |
| 127.9500 | Air Boss 2 (New Freq, Primary) |
| 132.4000 | Public Address Relay |

### Air Traffic Control

| Frequency | Description |
|---|---|
| 339.8000 | Hopkins App/Dep frequencies (for mil aircraft based there) |
| 354.0250 | Hopkins App/Dep frequencies (for mil aircraft based there) |
| 359.8000 | Hopkins App/Dep frequencies (for mil aircraft based there) |
| 273.4500 | Hopkins Tower/Ground |
| 339.8000 | Burke Lakefront Tower UHF |

### Acts

| Frequency | Description |
|---|---|
| 122.4750 | Air Show Comm 2 / Heritage Flight (F-4, A-10, P-51) / John Klatt |
| 123.1500 | Air Show Comm 1 / Golden Knights |
| 125.8500 | Air Show Comm 3 |
| 141.0750 | Thunderbirds Diamond Frequency "Victor" |
| 235.2500 | Thunderbirds "Solo" |
| 123.0500 | Helicopter acts |
| 237.8000 | Blue Angels Solos |
| 275.3500 | Blue Angels Diamond |
| 284.2500 | Blue Angels Delta (Channel 16 / Com2) |
| 284.2500 | Blue Angels Bert (Solos Backup Freq) |
| 333.3000 | CFA-18 / CC130 |
| 346.5000 | Blue Angels Ground |

*(Continued next page)*

## Event Ops/Coordination

| Frequency | Tone | Description |
|---|---|---|
| 139.8125 | PL 67.0 | Blue Angels Comm Cart Bravo |
| 142.6125 | PL 67.0 | Blue Angels Comm Cart Alpha |
| 451.6250 | DPL 051 | Airshow Ground Ops |
| 452.4750 | DPL 503 | Airshow Ops? |
| 452.7000 | DPL 503 | Airshow Ops Ch5 (Event/Acts Coordination) [also 457.700 DPL 503] |
| 452.9000 | DPL 346 | Airshow Ops |
| 452.9500 | DPL 205 | Parking Coord? |
| 453.0250 | DPL 125 | Airshow Ops (Parking) |
| 469.0750 | DPL 032 | Block by Block Security Services portables |
| 469.2875 | DPL 606 | Waste Coord? |

## New Antenna
## Gary, NI8Z

The attached picture shows the new Urban beam antenna that was installed at the NI8Z residence on Saturday, August 25th. The new SteppIR antenna is a rotatable directional antenna for 40 through 6 meters. 40 and 30 meters are just dipoles. The 20, 17, 15, 24, 28 and 6 meter bands are two element yagis.

The installation was a nine hour install after the antenna was completely constructed on the ground in the front of the NI8Z home. The building of this antenna took four days.

The key to the installation was the help from fellow hams Metro, W8MET; Terry, KB8DTC; Mark, WJ8WM and Jim Plummer, K8ARY, who was visiting from SC. The main non-ham help came from Cory Dunn who brought the mechanical lift and was in the bucket a long time.

The total time for this install was approximately nine hours. First, the old SteppIR four element yagi had to come down, and then the new one went up. If you look carefully at the picture another antenna was put up, a delta loop for 40 and 30 meters.

Much thanks and appreciation to all who helped on this antenna project. I think I will certainly enjoy much DX this coming year. There was a big learning curve obtained during the construction. If anyone thinks they want to put one up in the near future they can call me for help.

*Gary's new Urban Beam graces the QTH beautifully.*



**September Net Sked**

| | | |
|---|---|---|
| SEP | 5 | KD8OUE |
| SEP | 12 | NI8Z |
| SEP | 19 | N8OWS |
| SEP | 26 | K8KR |

Nets are run every Wednesday at 9:00 PM on 146.820 (Pl 110.9)

## Cuyahoga Amateur Radio Society
## August 14th 2018 Business Meeting Minutes

The CARS membership was called to order by President Toby Kolman, WT8O, at 7:40 PM on the 14th day of the month at the Harriet Keeler Pavilion in the Brecksville Reservation of the Cleveland Metroparks. The Pledge of Allegiance was said and introductions were made by the members and guests. The July 10th 2018 Business meeting minutes were approved as they appeared in the August 2018 *Wobbly Oscillator*.

Bob, W8GC, gave the report on the treasury balance. Bob also stated that he would start collecting dues in September to make things a little easier.

Toby, WT8O, asked if someone could help Bill, KD8QBB, with the monthly club presentation. He needs assistance and some fresh ideas would indeed help. Toby also stated that he needed help with the Membership Committee. Tony, KE8IHP, volunteered to join the Membership Committee. He also requested if someone could take over the coffee and soft drinks for the meetings. Gordon, AI8Y, volunteered to do the coffee.

Mark, WJ8WM, reminded the group to pay your ARRL dues through the club.

Andy, KD8SCV, thanked everyone who helped with the picnic and those who attended as well. It was a very nice event. If you have any ideas for improvement then let Andy know.

Public service information for 2018 is available in the *Wobbly Oscillator* as well as the CARS Facebook page. The links will direct you to the appropriate web page for the event.

Ed, WB8ROK, attended Buckeye Breakaway last weekend.

The UHF repeater (443.825) is functioning in Digital mode.
The 444.75 repeater in Shaker Heights is still on the air as well.

Toby thanked the Refreshment Committee for all their work.

The next VE session will be September 9th at 9 AM in the old Elmwood Recreation Center adjacent to Elmwood Pond in Elmwood Park.

Bob, W8GC, won the 50/50 raffle.

The October 8th business meeting will be a dinner meeting.
It will be at Simon's Restaurant, 7770 Chippewa Rd. in Brecksville.

There were 19 members and guests in attendance this evening.

The meeting was adjourned at 8:13 PM.

Submitted by Larry Shimerka, N8OWS.

**September Birthdays**

**Bob Robbins, K8RGI 9/4/45**

**Dennis Rabbitts, KD8APY 9/11/49**

**Jeff Bolek, KD8GIR 9/21/50**

## Member Profile

## Eddie Stevens, KD8FTS

### How did you become interested in ham radio?

Both of my parents were amateur radio operators since I was very young, so I sort of grew up surrounded by amateur radio. Some of my earliest memories are of attending the Dayton Hamvention as well as the Findley and Rochester hamfests. I first attended the Dayton Hamvention when I was two years old, at least I was told that I did.

### What made you decide to take the test?

Even though I grew up around amateur radio, I never had much interest in it when I was younger. One day, when I was in my mid-thirties, my wife, Colleen, asked about amateur radio. She observed my dad while he was on a net, and asked what amateur radio was all about. I did my best to explain amateur radio to her. She then commented that we should both get our licenses. The rest is history. We both got our licenses several months later after attending a CARS technician class.

### When did you get your license(s)?

I got my technician license on April 2, 2007. I upgraded to a general license on February 28, 2008.

### What radios and antennas do you use?

I have two Kenwood TM-D710A UHF / VHF radios. One is used as a mobile station with a magmount antenna. The other is in my “shack” and is connected to an Arrow OSJ 146/440 Dual Band J-Pole antenna. I also have an ICOM IC-746 HF Transceiver in my shack. I use it on various bands for which I have an assortment of single-band wire antennas. Sadly, I have little time for HF activity, so this radio goes largely unused. I also have an assortment of HTs. The one that gets the most use is my Wouxun KG-UV3D. I find that it is more versatile than those designed primarily for amateur use.

### What is your mobile set up?

I am most proud of my mobile setup. It consists of a removable Go-Box based around my Kenwood TM-D710A radio. My entire mobile setup can be moved from one vehicle to another in a matter of minutes. It has been used as a portable net control station for various events, a cross-band repeater, and in several public service events it has allowed me to operate out of official event vehicles, rather than my own vehicle, at 50 watts, without a lengthy radio installation process.

### What are your favorite on air activities?

My primary interest in amateur radio is VHF and UHF activity. I enjoy club nets as well as experimenting with crossbanding and VoIP linking technologies. I also enjoy transmitter hunting. My favorite aspect of amateur radio is participating in ARES and public service events. It is nice to be able to help others while participating in a hobby. The fact that many of these activities are very visible to the community helps to promote the use of amateur radio and potentially gets others interested in the hobby. *(Continued next page)*

**Why did you join CARS?**

I was granted a membership after taking the CARS technician class and passing the test. This gave me a sense of loyalty to CARS and I have renewed my membership ever since.

**What would you like to see CARS do to improve?**

I would like to see more CARS members participate in ARES and public service events. I would also like to see increased outreach to bring new people into the hobby.

## VE Session

The next CARS VE session will be September Sunday, September 9th. The session will begin at 9:00 AM. It will be held at the Old Elmwood Recreation Center, 6200 Pete Wisnieski Parkway, Independence OH, 44131. For information or to sign up, contact Metro Sinko, W8MET, at 216-520-1320 or metro351@sbcglobal.net. Walk-ins are welcome.

## POW – MIA
## Metro, W8MET

**Sep 14-Sep 23, 0000Z-2359Z, K4MIA**, Loxahatchee, FL. PBSE Radio Society. 28.466 18.150 14.265 7.185 . QSL. Michael Bald, 6758 Hall Blvd., Loxahatchee, FL 33470. Observances of National POW MIA Recognition Day are held across this country on the third Friday in September each year. This year it will be on September 21. This will be the 10th year this special event station has been activated. The day was established to honor our prisoners of war and those who are still missing in action. There will be sister stations K4MIA/5 K4MIA/7 K4MIA/8 in operation some days. Also contacts will be made on the LEO satellites. See QRZ for a copy of this years QSL and for additional information. Because of volume of requests you MUST SEND SASE to get a returned QSL. Please take time to remember our POW's and MIA's as well as their families. www.qrz.com/db/k4mia

This is our 3rd year for this event with Linda, N8LRS, at the microphone and Metro, W8MET, logging as a sister station in Ohio as K4MIA/8. Many club members missed this event last year and asked to be reminded in advance. Come join us.

## Silent Key
## Bob, W8GC

Marek Bobowski, SP8CUW, died tragically as he was electrocuted while working on his contest station SN8B. Apparently he switched off the power, hung a warning sign but seemingly did not check if there was power and then touched wires. Our condolences go to his son Lukasz, SP8CUR, the SN8B contest team and the Bobowski family.

## CARS Board of Directors Meeting Minutes
## August 28, 2018

The CARS Board of Directors met on August 28, 2018 at the Independence library.

Those in attendance were Board Chairman Andy Evridge, KD8SCV; Mike Kemmett, KD8OUE; Frank Pillatt, KB8DTC; Bob Check, W8GC; Toby Kolman, WT8O; Arp Viiberg, K8ARP and Mark Moro, WJ8WM.

The meeting was called to order at 6:28 PM.

The first item discussed was action to be taken on a suggestion by the licensing class committee chairman, David Noeth, KD8ACO. David suggested the licensing classes should be offered to any CARS member at no charge for their current or lower classification. This would give club members the opportunity to learn from additional information presented in the classes besides the question pool.

- Terry, KB8DTC, motioned to allow CARS members to attend classes at no charge for their current or lower classification AND to allow CARS members who are Technicians to take the General class at no charge.
- Mike, KD8OUE, seconded the motion.
- The motion was voted on and passed unanimously.

The second item discussed was fund raising suggestions, some were:

- Spaghetti dinner
- Queen of hearts game
- Endowments
- Bequests
- Contributions via Amazon Smiles to CARS as a nonprofit organization
- Although no motion was made, board members will explore these options in advance for report and action at the next board meeting

The final item discussed was increasing the annual Scholarship amount to $750. The discussion was very positive for the increase.

- Bob, W8GC, motioned to increase the two annual scholarship awards to $750 each.
- Terry, KB8DTC, seconded the motion.
- The motion was voted on and passed unanimously.

The meeting was adjourned at 7:39 PM.

Submitted by Toby Kolman, WT8O.

### Honorary Members

**Any person who by nature of outstanding or meritorious contribution to the furtherance of amateur radio and the ideals of the Cuyahoga Amateur Radio Society**

**Robert Check, W8GC**
**Elected 2/10/15**

**Thomas Wayne, WB8N**
**Elected 1/10/17**

**Dwaine Modock, K8ME, SK**
**Elected 5/9/17**

**Toby Kolman, WT8O**
**Elected 10/10/17**

**Jerry Smith, NW9H**
**Elected 5/8/18**

# Marketplace

Ameritron AL-82 Amplifier. 1500w 2x3-500z
Finals checked out and making rated power output.

**$1500** Local pickup only k8yse@arrl.net

**Heathkit SB-1000 Linear Amp in Excellent condition.** Tested and works as it should. The output power is down maybe 100 watts or so as I get a solid 600 plus watts out on a 35 year old original Eimac 3-500Z tube (code date 8340) that usually means 1983 40th week, this was tested into a 1kw dummy load driven by a Yaesu FT1000 MP Mark V using a Yaesu YS-60 swr/power meter.

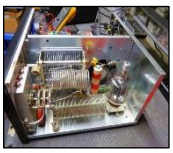
This amp comes from an estate and only has the original Illustration booklet (construction paperwork) and copy of user manual. People tell me they can get 750 to 800 watts out with a new tube (cost $220.00).

You can see from the pix it is a good job of wiring (still working after 35 years) and is clean inside and out, some minor scratches only. All knobs are original and in good condition.

They say the SB-1000 is the only amp Heath made with 160 meters, I did not confirm that. Also this Heathkit design is still being produced by Ameritron as the AL 80B. This amp is wired for 240 VAC and does NOT include an AC plug. Amp weighs 50 lbs

This amp is sold as is, guaranteed to work on delivery. **Asking $625.00**

bob@2cls.com
216-524-1750



The MFJ-250 VersaLoad KW Wet Dummy Load lets you tune up fast! You can run 1KW CW or 2 KW PEP for 10 minutes. Or run ½ KW CW or 1 KW PEP for 20 minutes. Run continuous duty with 200 Watts CW or 400 Watts PEP. The dummy load comes complete with a derating curve. It uses a quality 50 Ohm non-inductive resistor.

The MFJ-250 Dummy Load has low VSWR to 400MHz. Under 1.2:1 to 30 Mhz. 1.5:1 for 30 - 300Mhz. 2:1 for 300-400MHz. Ideal for testing both HF and VHF rigs. Has SO-239 connector and vented for safety. Removable vent cap. Carrying handle. 7 ½" high by 6 " diameter**.** **Asking $39.00**

bob@2cls.com
216-524-1750

# Radiosport

### Contests

Sept 8 1400-2200 **Ohio State Parks on the Air** 3.5-28 Ph www.ospota.org

Sept 1800-Sep 10 0300 **ARRL September VHF Contest** 50 & up CW PH Dig www.arrl.org/september-vhf

Sept 9 0000-0400 **North American Sprint, CW** 3.5-14 CW ncjweb.com

### Special Events Stations

Sept 2 1600-0500 **W8G** Chardon, OH **Great Geauga County Fair** 14.225 7.175 www.geaugaaara.org

Sept 3-Sept 10 2200-0400 **W9IMS** Indianapolis, IN **Brickyard 400 Special Event** 21.350 14.245 7.245 3.840 Certificate and QSL www.qrz,com/db/w9ims

Sept 8-Sept 16 0000-2359 **K9ONA** Brookfield, IL Six Meter Club of Chicago **Route 66 On The Air** 28.466 21.366 14.266 7.266 www.w6jbt.org or www.k9ona.com

Sept 15 1700-2100 **K8S / N8S / W8S** Ava, OH **Crash of USS Shenandoah** 7.235 7.230 7.225 Certificate www.w8vp.org

Sept 21-Sept 22 1020-1018 **W0DBQ** Dubuque, IA **High Above the Mississippi River** 18.140 14.248 7.185 3.832 Certificate w0dbq.org

### State QSO Parties

Sept 2 1800-Sept 3 0300 **Tennessee QSO Party** 1.8-UHF CW PH Dig tnqp.org/rules

Sept 15 1400-Sept 16 00200 **Iowa QSO Party** All Bands (No WARC) CW PH Dig www.woyl.com/AQP

Sept 15 1600-Sept 16 2000 **New Jersey QSO Party** 3.5-28 CW Ph www.k2td-bcrc.org/njqp

Sept 29 1400-Sept 30 2000 **Texas QSO Party** All Bands (No WARC) CW Ph DIG www.txqp.net

Sampling from *QST* September 2018 Pg. 83 and 96-97, see *QST* for many more events.

All times in GMT ZULU time

The *Wobbly Oscillator* is a publication of the Cuyahoga Amateur Radio Society, P.O. Box 31264, Independence, Ohio, 44131-0264. Articles from this publication may be reprinted in any ham radio publication, provided that credit is given this publication and the author, if known. All submissions should be emailed to: wt8o@att.net by the end of the month for publication in the next month's issue.

# CARS 2018 Officers & Committees

**Audit**
WJ8WM ** WT8O, KD8OUE

**Audio/Video**
AC8NW **

**ARRL Liaison**
WJ8WM **

**Awards**
W8GC ** WT8O

**Christmas party & Summer Picnic**
KD8SCV **, WJ8WM, K8ARP

**Club Photographer**
N8OWS **

**Field Day**
WT8O **, WJ8WM, K8RGI, K8ARP, KD8SCV, AC8NW, AC8TN, N8BBB food

**Find a Club Station location**
K8KR** NI8Z

**50/50**
WT8O

**License classes**
KD8ACO **, WT8O, K8SHB

**Media Representative**
KD8SCV

**Membership**
WT8O ** KE8IHP

**NET**
WT8O **

**Newsletter**
WT8O ** 440-525-6109
wt8o@att.net

**Programs at Meetings**
KD8QBB **

**Property Custodian's**
KB8DTC records, W8GC equipment

**Public Services**
K8ARP **

**QSL Manager - W8HBI, W8BM**
WB8N **

**Refreshments at Meetings & Picnic**
WB8ROK/KD8SCV ** pop, AI8Y ** coffee, NW8X ** Donuts

**Scholarship**
W8GC ** WJ8WM, KD8SCV, N8OWS, WB8N

**Sunshine (welfare)**
Andy, KD8SCV ** 440-886-0723

**Technical**
AC8NW ** N8OVW, WJ8WM, KD8ACO, KD8RKF, K8MD, KB8DTC

**VE Exams**
Metro, W8MET ** 216-520-1320

**Web Master/e-mail**
W8GC **
** chairman or co-chairman

## 2018 Officers

**PRESIDENT**
Toby Kolman WT8O 440-525-6109
wt8o@att.net

**VICE-PRESIDENT**
Mark Moro, WJ8WM 216-661-0342

**SECRETARY**
Larry Shimerka, N8OWS 216-647-2484

**TREASURER:**
Bob Check W8GC 216-524-1750

## Board Members & License Trustees

**Board Chairman**
Andy Evridge KD8SCV 440-886-0723

**even year executive board 2 year term**
K8SHB, KB8DTC, KD8OUE

**odd year executive board 2 year term**
KD8SCV, K8ARP, WB8ROK

**License trustee K8ZFR**
WT8O

**License trustee**
**W8HBI, W8BM,**
**W8GC**

August 14, 2018

# NOTICE

**Our October 9, 2018 meeting will be a Dinner meeting at Simon's Restaurant & Delicatessen 7770 Chippewa Rd, Brecksville.**

***Go to [www.2cars.org](http://www.2cars.org) home page for details***